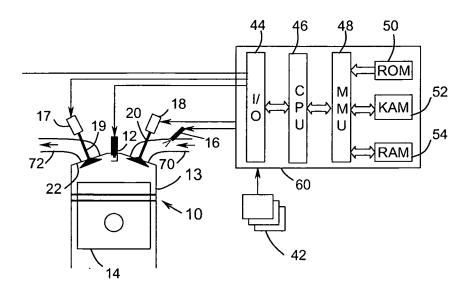
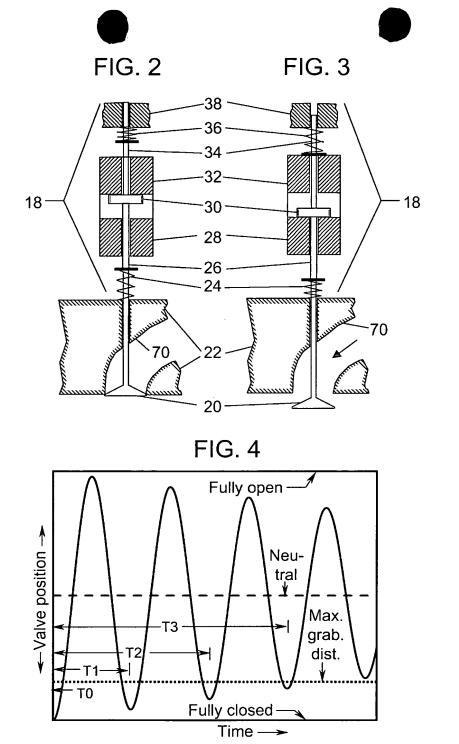
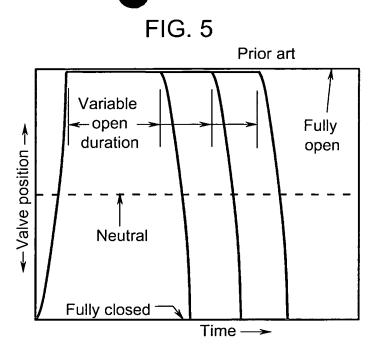
FIG. 1







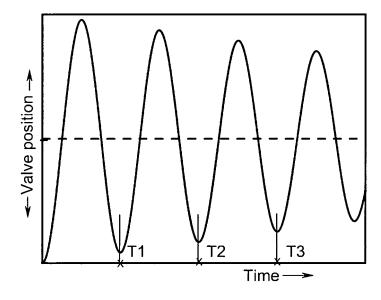
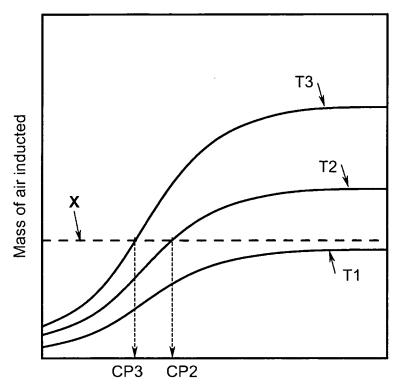


FIG. 6



Crank position of intake valve opening

FIG. 7 100 Determine valve method for next cycle 102 Determine desired air to trap in cylinder, Ma 120 104 Use prior art Can present No valve control invention provide method for Ma? present cycle Yes 106 Determine minimum number of valve oscillations which will provide Ma 108 Determine timing to initiate valve opening

to provide Ma

Actuate valve at initiation timing for the minimum number of oscillations

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